

CLAIMS

We claim:

- 1 1. A method comprising:
 - 2 a client receiving an indication from a controller that at least one new content
 - 3 object corresponding to content specified in a profile is to be downloaded;
 - 4 the client receiving an indication of a location of the at least one content object
 - 5 from the controller;
 - 6 downloading the content object from the location; and
 - 7 intercepting a request to a web server for the content object and satisfying the
 - 8 request with the downloaded content object without sending the request to the web
 - 9 server.
- 1 2. The method defined in Claim 1 wherein the location comprises a peer
- 2 client.
- 1 3. The method defined in Claim 1 further comprising the client sending the
- 2 profile to the controller.
- 1 4. The method defined in Claim 1 further comprising building the profile.
- 1 5. The method defined in Claim 4 wherein building a profile comprises
- 2 tracking a web site access pattern of an individual.

1 6. The method defined in Claim 5, wherein tracking the access pattern
2 comprises tracking web sites a user accesses and the time the user accesses the web
3 sites.

1 7. The method defined in Claim 5 wherein tracking the access pattern
2 comprises tracking the frequency of access by the user to the web sites.

1 8. The method defined in Claim 4 wherein building a profile comprises
2 using a network operation center (NOC) to modify the profile.

1 9. The method defined in Claim 8 wherein using the NOC comprises adding
2 or removing URLs of web sites the user accesses and the time the user accesses the web
3 sites.

1 10. The method defined in Claim 4 wherein building a profile comprises a
2 user changing a list of URLs of web sites the user accesses and the time the user accesses
3 the web sites to the profile.

1 11. The method defined in Claim 1 further comprising the controller
2 maintaining a list of web sites and their embedded objects.

1 12. The method defined in Claim 11 wherein the list is compiled by updating
2 information from content providers.

1 13. The method defined in Claim 11 wherein the list is compiled by:
2 crawling web sites; and
3 analyzing results of the crawling.

1 19. An apparatus comprising:
2 means for receiving an indication from a controller that at least one new content
3 object corresponding to content specified in a profile is to be downloaded, including

4 means for receiving an indication of the new location of a content object from the
5 controller;

6 means for downloading the content object from the location; and

7 means for intercepting a request to a web server for the content object and
8 satisfying the request with the downloaded content object without sending the request
9 to the web server.

1 20. The apparatus defined in Claim 19 wherein the location comprises a peer
2 client.

1 21. The apparatus defined in Claim 19 further comprising means for sending
2 the profile to the controller.

1 22. The apparatus defined in Claim 1 further comprising means for building the
2 profile.

1 23. An apparatus comprising:
2 a controller;
3 a client coupled to the controller via a networked environment, the client
4 receiving an indication from that controller that at least one new content object
5 corresponding to content specified in a profile is to be downloaded and receiving an
6 indication of a location of the at least one content object from the controller;
7 the client downloading the content object from the location and intercepting a
8 request to a web server for the content object and satisfying the request with the
9 downloaded content object without sending the request to the web server.